N° 23,852 A.D. 1903

Date of Application, 3rd Nov., 1903

Complete Specification Left, 25th Jan., 1904—Accepted, 10th Mar., 1904

PROVISIONAL SPECIFICATION.

A Hand-gear Vibratory Massaging Machine.

I, Jay Van Tuyl Daniels, of Temple Chambers Temple Avenue, London, Publisher, do hereby declare the nature of this invention to be as follows;—

This invention refers to hand power portable machines for creating vibration, which can be applied for massage purposes. It consists of a train of wheels and spindles or speed gear in a suitable frame, and operated by hand, whereby an excentric wheel or weight is caused to revolve at high speed, thus effecting the vibration of the machine. By means of suitable terminals such as a cup, plate or ball, the motion can be communicated to any part of the person in the form of rapid taps or vibrations. These terminals may project directly from the end of the machine, or may be set at an angle thereto. The machine is held by one hand and operated by the other.

Motion is imparted by rotating a crank handle, which is connected to a small spur wheel, which when moved forward engages with a spring pawl fixed on a disc connected to main spindle.

The effect of this arrangement is to disengage the crank and spur wheel from the pawl when the crank is reversed, and thus let the crank run free.

Dated this 3rd day of November, 1903.

S. S. BROMHEAD,
33 Cannon St, E.C.
Agent for Applicant,

COMPLETE SPECIFICATION.

A Hand-gear Vibratory Massaging Machine.

I, Jay Van Tuyl Daniels, formerly of "Temple Chambers" Temple Avenue, London, Publisher now residing at "Hotel Russell" Russell Square, Bloomsbury London W.C. do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention refers to mechanical hand power portable machines for creating vibration which can be applied for massage purposes. The machine consists of a train of wheels or gear and spindles mounted in a suitable frame, said wheels or gear being operated by hand, and revolving an excentric wheel or weight at high speed, thus effecting the vibration of the machine This wheel or weight is mounted on a spindle which may be of any suitable length to form a convenient sized machine. Suitable terminals such as a plate or ball are fitted to the machine and the motion in the form of rapid taps is communicated by them to any part of the person. These terminals may project directly from the end of the machine or may be set at an angle thereto,

[*Price 8d.*]

and the excentric wheel or weight may be mounted in any suitable manner within or on the frame of the machine. The excentric or weighted wheels may be made interchangeable so that several kinds can be used on the one machine. The machine is held by one hand and operated by the other. Motion is imparted by suitable means, such as by a crank handle, and preferably through a spring pawl and ratchet wheel mounted on the main spindle or main driving wheel. The arrangement of the wheels or gear may vary as desired and the positions of the excentric or weighted wheels may be adjusted in any suitable manner.

I will now describe my invention with reference to the accompanying drawings in which;—

Fig. 1, shows in side elevation a simple form of my vibrating machine.

Figs. 2 and 3 show end elevations of two kinds of excentric wheels and of the terminals.

Fig. 4, is a plan view of the mechanism shown in Fig. 1.

a, is the frame of the machine having handle *b*. Within this frame are mounted gear or spur wheels *c*, *d*, *e*, and *f*, the last named being rigidly fixed to the spindle *g* which terminates in a boss g^1 on which is mounted the excentric wheel *h*, being held in place by the milled nut *i* and a spur on the boss g^1. *l* is the crank handle which drives the wheel *c* through the ratchet *m* and spring controlled pawl *n*. *j* is a stem attached to the frame *a* and carrying plate *k*. In Fig. 3, the wheel *h* has formed in it a slot *o* by which the position of the wheel on its spindle *g* can be adjusted. A scale may be marked at the edge of this slot. *p* is a finger or fly nut for holding the wheel at the required position.

In this figure the stem *j* carries a ball *r*. The whole of the gear may be enclosed if desired, and the parts of the machine can be formed of any suitable material. Various forms of excentric or weighted wheels may be used with the one machine, same being made interchangeable.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is;—

1, A hand vibrating machine for massaging purposes, consisting of a suitable framework within or upon which is mounted a suitable gear or train of wheels for driving a spindle on which is mounted an excentric or weighted wheel which is caused to revolve at high speed, said machine being provided with a suitable terminal or terminals by which the vibration caused by the wheel is conveyed to the person and with suitable handles for operating the gear, substantially as herein described and set forth.

2, In a hand power mechanical machine for massaging purposes the use of an excentric or weighted wheel to cause vibration, substantially as herein described and set forth.

3, In a hand vibrating machine as described in Claim 1, the use of an excentric or weighted wheel capable of adjustment to increase or decrease the amount of vibration, substantially as herein described and set forth.

4, A hand vibrating machine as described in Claims 1 or 3, having interchangeable excentrics or weighted wheels, substantially as herein described and set forth.

Dated this 15th day of January, 1904.

HY. FAIRBROTHER,
Agent for Applicant.
27 Chancery Lane, London. W.C.

Redhill: Printed for His Majesty's Stationery Office, by Love & Malcomson, Ltd.—1904.

WELLCOME LIBRARY INSTITUTE

A.D. 1903. Nov. 3. N° 23,852.

DANIELS' COMPLETE SPECIFICATION.

(1 SHEET)

Fig: 1.

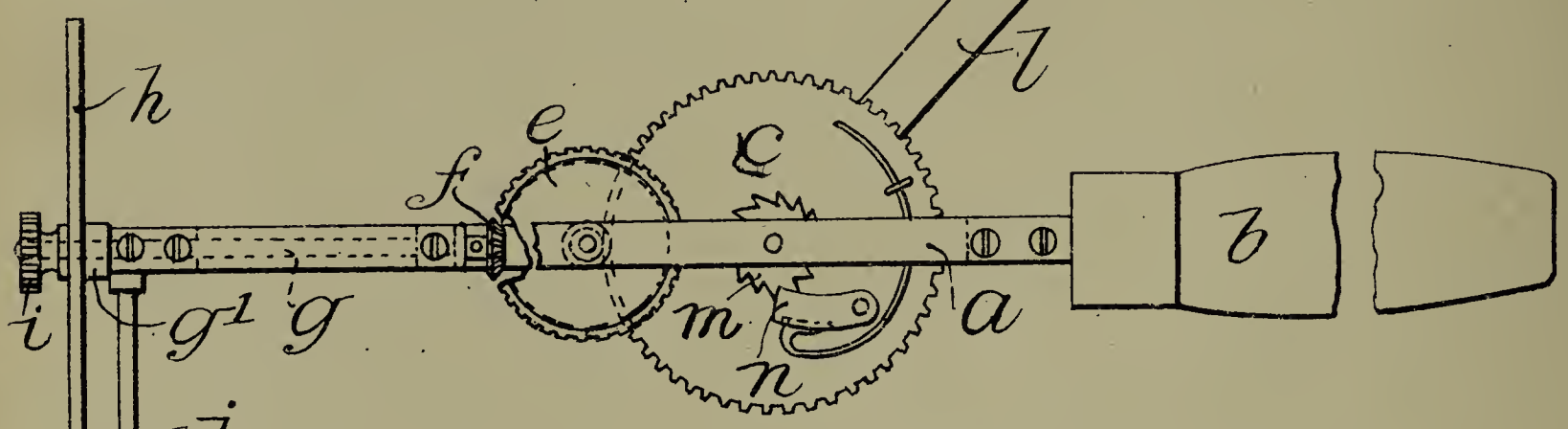


Fig: 2.

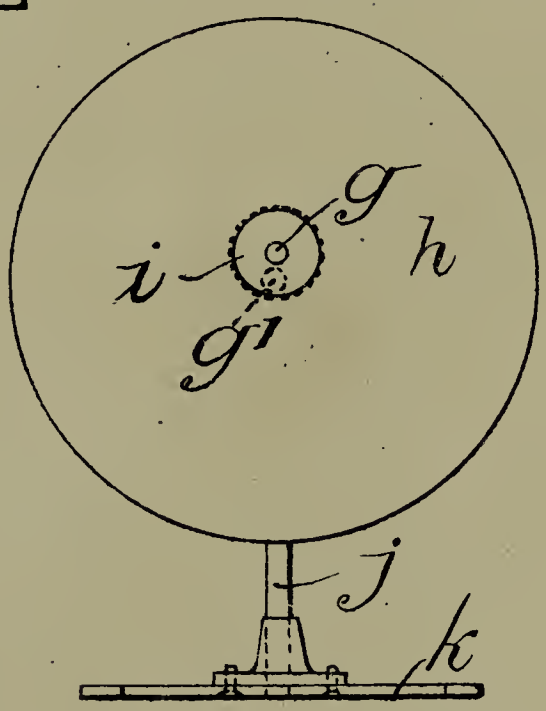


Fig: 3.

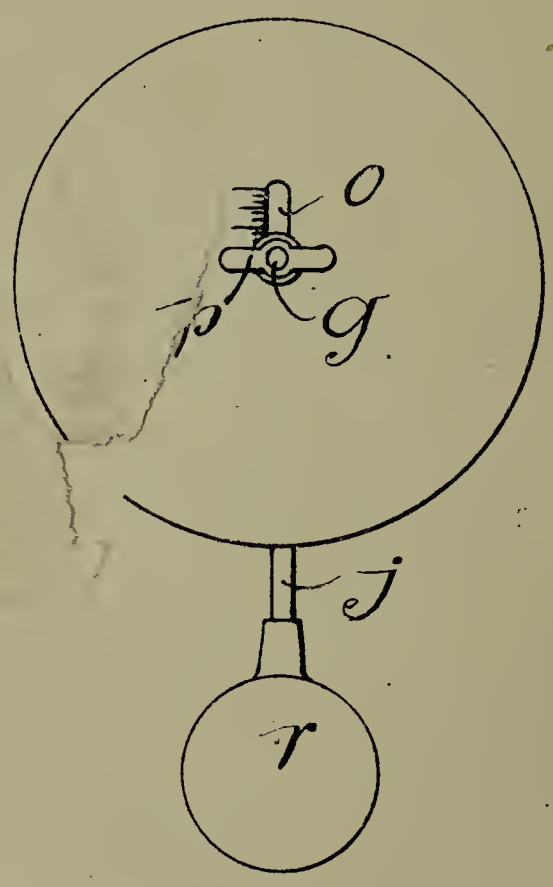
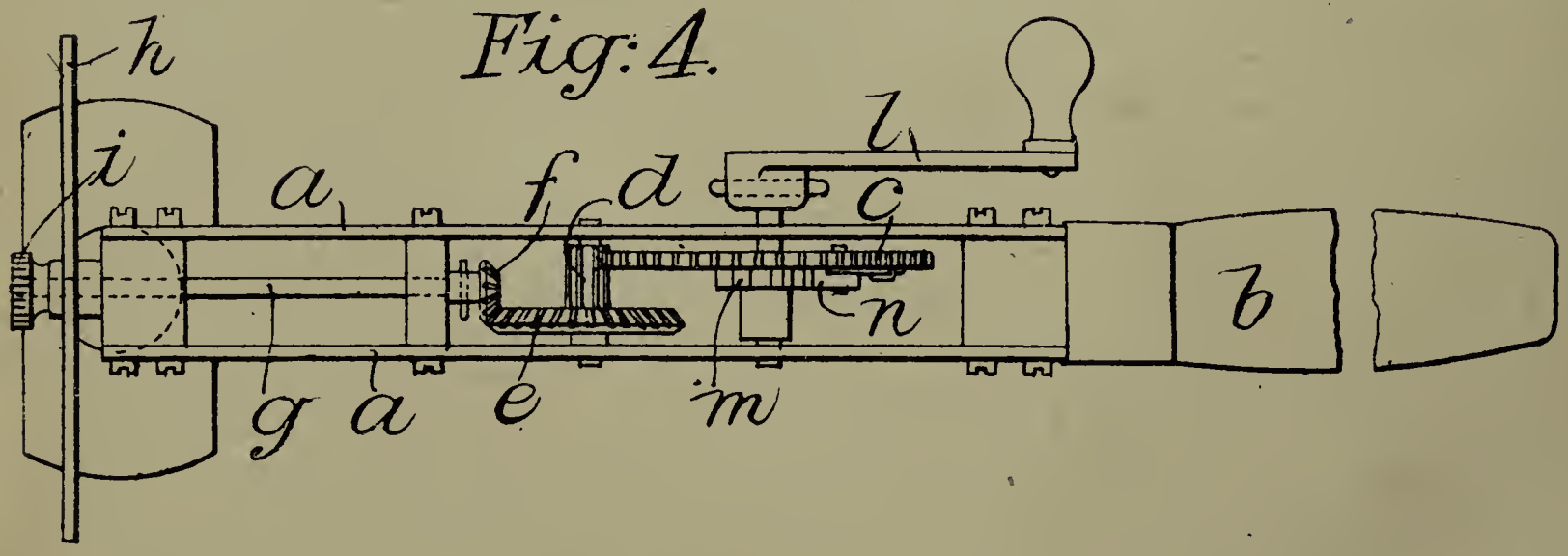


Fig: 4.



[This Drawing is a reproduction of the Original on a reduced scale.]

Malby & Sons, Photo-Litho